STEEL FOR LARGE-SIZED BEARING AND LARGE-SIZED BEARING PARTS

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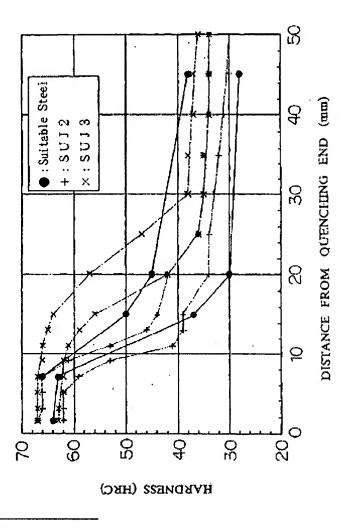
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Abstract of JP2001123244

PROBLEM TO BE SOLVED: To produce steel for a large-sized bearing excellent in breaking resistance and rolling fatigue life characteristics and suitable for large-sized bearing parts. SOLUTION: This steel for a large-sized bearing has a chemical componential composition containing, by mass, 0.80 to 1.30% C, >0.35 to 0.80% Si, 0.30 to 0.90% Mn, 0.90 to 1.50% Cr, one or two kinds of <=0.25% Mo and 0.20 to 1.50% Ni, and the balance Fe with impurities, and in which hardenability by a hardenability testing method for steel established by JIS G 0561 is controlled to Q64 HRC in J 1.5 mm, to 63 to 66 HRC in J 7 mm, to 37 to 50 HRC in J 15 mm, to 30 to 45 HRC in J 20 mm, and to 28 to 38 HRC in J 45 mm.

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